

Abstract

In a method for performing a finish machining on a tooth surface of a gear to be machined, in the state that at least one counter gear 2 is meshed with the gear 1 to be machined, both gears are rotated while supplying water or an aqueous solution 4 which contains no abrasive grains to meshing portions of both gears so that a surface having a small surface roughness is formed on the tooth surface of the gear 1 to be machined.